

IN THE CLAIMS:

1. (Currently Amended) A method for displaying axial images, the method comprising:

receiving a reconstructed axial image, wherein said reconstructed axial image includes a pre-selected number of completed reconstructed slices, a slice thickness and an interval value;

creating a reformatted axial image in response to said reconstructed axial image, wherein said creating includes:

modifying said slice thickness in response to user slice thickness input; and

updating said interval value in response to user interval value input; and

displaying said reformatted axial image in response to user display input.

2. (Original) The method of claim 1 wherein said user interval value input includes an explicit value for said interval value.

3. (Original) The method of claim 1 wherein said user slice thickness input includes an explicit value for said slice thickness.

4. (Original) The method of claim 1 further including:

receiving at least one additional said completed reconstructed slice; and

displaying said reformatted axial image in response to said user display input and to said additional completed reconstructed slice.

5. (Original) The method of claim 4 wherein said receiving at least one additional said completed reconstructed slice is performed in response to a user selecting a resume acquire button.

6. (Original) The method of claim 1 wherein said receiving, said creating and said displaying are performed in an interactive mode.

7. (Original) The method of claim 1 wherein said user display input includes a render option selection.

8. (Original) The method of claim 1 wherein said user display input includes a navigation mode selection.

9. (Original) The method of claim 1 wherein said user display input includes an annotation level selection.

10. (Original) The method of claim 1 wherein said user display input includes an image location selection.

11. (Original) The method of claim 1 wherein said user display input includes a resize selection.

12. (Original) The method of claim 1 wherein said user display input includes a measurement selection.

13. (Original) The method of claim 1 wherein said user display input includes an instruction to save said reformatted axial image in a reformat format.

14. (Original) The method of claim 1 wherein said user display input includes an instruction to save a current view of said reformatted axial image in a secondary capture image format.

15. (Original) The method of claim 1 wherein said user slice thickness input includes an instruction to change said slice thickness by a pre-selected value.

16. (Original) The method of claim 1 wherein said user slice thickness input includes an instruction to set said slice thickness to a pre-selected value.

17. (Original) The method of claim 1 wherein said user interval value input includes an instruction to change said interval value by a pre-selected value.

18. (Original) The method of claim 1 wherein said user interval value input includes an instruction to set said interval value to a pre-selected value.

19. (Currently Amended) A method for displaying axial images, the method comprising:

receiving a reconstructed axial image, wherein said reconstructed axial image includes a slice thickness and an interval value;

creating a reformatted axial image in response to said reconstructed axial image, wherein said creating includes:

modifying said slice thickness in response to user slice thickness input; and

updating said interval value in response to user interval value input wherein said user interval value input includes an explicit value for said interval value; and

displaying said reformatted axial image in response to user display input.

20. (Currently Amended) A computer program product for displaying axial images, the product comprising:

a storage medium readable by a processing circuit and storing instructions for execution by the processing circuit for:

receiving a reconstructed axial image, wherein said reconstructed axial image includes a pre-selected number of completed reconstructed slices, a slice thickness and an interval value;

creating a reformatted axial image in response to said reconstructed axial image, wherein said creating includes:

modifying said slice thickness in response to user slice thickness input; and

updating said interval value in response to user interval value input; and

displaying said reformatted axial image in response to user display input.

21. (Currently Amended) A computer program product for displaying axial images, the product comprising:

a storage medium readable by a processing circuit and storing instructions for execution by the processing circuit for:

receiving a reconstructed axial image, wherein said reconstructed axial image includes a slice thickness and an interval value;

creating a reformatted axial image in response to said reconstructed axial image, wherein said creating includes:

modifying said slice thickness in response to user slice thickness input; and

updating said interval value in response to user interval value input wherein said user interval value input includes an explicit value for said interval value; and

displaying said reformatted axial image in response to user display input.

22. (Currently Amended) A system for displaying axial images, the system comprising:

an image database, wherein said image database includes a reconstructed axial image;

a workstation;

a viewing processor in communication with said image database and said workstation and including viewing application software to implement the method comprising:

receiving said reconstructed axial image, wherein said reconstructed axial image includes a pre-selected number of completed reconstructed slices, a slice thickness and an interval value;

creating a reformatted axial image in response to user input and to said reconstructed axial image, wherein said creating includes:

modifying said slice thickness in response to user slice thickness input; and

updating said interval value in response to user interval value input; and

displaying said reformatted axial image on said workstation in response to user display input.

23. (Original) The system of claim 22 wherein said user interval value input includes an explicit value for said interval value.

24. (Original) The system of claim 22 wherein said user slice thickness input includes an explicit value for said slice thickness.

25. (Original) The system of claim 22 wherein said viewing application software includes instructions to implement a method further comprising:

receiving at least one additional said completed reconstructed slice; and  
displaying said reformatted axial image on said workstation in response to said user display input and to said additional completed reconstructed slice.

26. (Original) The system of claim 22 wherein said viewing processor is in communication with said image database and said workstation via a network.

27. (Original) The system of claim 26 wherein said network is the Internet.

28. (Original) The system of claim 22 wherein said workstation is in communication with said viewing processor via a network.

29. (Original) The system of claim 28 wherein said network is the Internet.

30. (Original) The system of claim 22 further comprising an image station in communication with said image database.

31. (Original) The system of claim 30 wherein said image station is in communication with said image database via a network.